

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: 100V Chronicles: Chirp and the 00
Message-ID: <199702031854.MAA26612@lesol1.dseg.ti.com>

Greetings,

After "fixing" the minor chirp problem in my 100V a few weeks back, I was surprised to receive an 00 notice. OK, surprise is an understatement, since out of perhaps 25 contacts, only a couple of folks have indicated any chirp and that only after my questioning them about it. (I might add that my "sidetone" is provided by on-air monitoring via the R390, so I'm generally aware of signal anomalies.) I hadn't planned to do anything additional to the 100V, but the 00 notice motivated me to check the rig again to see if any additional improvements could be made.

To make a long story short, per previous troubleshooting, the chirp in the 100V is proportional to voltage variations in the regulated supply. With further checking, I found the VR tube to be operating quite satisfactorily in the "flat portion" of its range. Modifying the circuit to reduce current through the VR tube reduced regulation and, similarly, providing it more current reduced regulation. It was an interesting study of differences in VR tubes. There was quite a difference from tube to tube, even though all tubes were within specification according to an RCA tube manual. Some tubes yielded 3 or 4 volts variation in regulation while a couple varied less than 1 volt. Naturally, I settled upon installing one of the higher performing 1 volt tubes.

My estimate of the chirp is 2 or 3 Hz. It's so small an amount that when listening to the PT0, I initially couldn't hear it at all. I discovered later that I could barely detect a frequency shift when listening around 200 Hz. (I suppose the ear's ability to detect small tonal differences is enhanced in this region.)

I suspect that modern radios have reduced the 00's workload considerably. Like a Maytag repairman, 00's today may not find many technical problems to report. (Operating habits on 75 and 20 meters would be a different matter entirely, however.) I also suspect that the 00 must have been monitoring a QSO when I asked about chirp.

At any rate, I'd sure like to know how other 100V's sound on CW. Anybody want to have a 100V to 100V CW QSO?

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Robert Fowle <hammarlund@jacksonmi.com>
Subject: 2 nos 250TH's fs
Message-ID: <32F609ED.3720@jacksonmi.com>

have 2 nos 250th's fs. these are spares...
reasonable offer(s)
if interested..Email me...8-)

--

**** Visit my Web Page.....****

=====]-[->

Robert Fowle KC8DBC
1215 Winifred
Jackson, Mich. 49202-1946
Ph. 517-789-6721
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>

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Moderator: Robert Fowle
at: <http://www.inetnc.com/hamchat/>

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Mike Warren <71555.713@compuserve.com>
Subject: 2/2/97 N* listings
Message-ID: <199702022139_MC2-10AF-A5F0@compuserve.com>

Following items were listed on today's (Sunday, 2/2/97) Northstars Swap Net
(3913, 0830 CST):

Johnson Valiant-II, \$225 - Mark, 414/434-8097
National NC-57, \$125 - Mark, 414/434-8097
Collins KWS-1, (trade for ?) - Terry, 715/453-4633
TEK 7904 scope (no plug-ins), \$125 - Gary, 612/496-3794
Heath SB-303, \$75 - Rob, 608/655-4466
TEK 475 scope w/all access., \$600 - Rob, 608/655-4466
National HRO-7 w/coils, Collins 30L1, Eimac AF-67 - Skip, 507/452-4989
Heath DX-100, SB-300, SB-303, SB-401, SB-600, HP-23 - Les, 608/269-7530

73,

Mike W5MAZ (in MN)
m_warren@compuserve.com

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: provero@connix.com
Subject: 26-series Tube Data?
Message-ID: <199702040149.UAA26507@comet.connix.com>

Looking for full data sheets or summary listings of characteristics for the 26-series tubes used in the R-392. These are:

26A6
26A7GT
26C6
26D6

None of my tube references have anything on these, neither does the mil list tube database (other than base type).

P.J. "Josh" Rovero	home:	provero@connix.com
Meteorologist	radio:	KK1D
Oceanographer	work:	rovero@sonalysts.com
Curmudgeon-at-Large	web:	http://www.connix.com/~provero/

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: the-radio-doctor@juno.com (Rob D Long)
Subject: 500 info, and BA'S for sale
Message-ID: <19970203.000138.12286.8.the-radio-doctor@juno.com>

Hello all, Thanks to all on 500 dimensions! The following items are offered via a couple of swapnets.....

Valiant and 275 watt matchbox, will seperate, John 810-445-8175

HT-40 Transmitter \$75.00 417-864-7803

Knight T-150 \$75.00 Shipped LOU 617-527-2097

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: 75A3 Goodies wanted
Message-ID: <1.5.4.16.19970203051523.1cc7cb2e@ms1.nwla.com>

First, thanks to all of you that have given me
helpful hints on this fine reciever. I have a couple
of items that I would like to get for it.

first and foremost, the 8R1 Crystal Calibrator. I
could build one, but would rather purchase one
outright.

A 6kc filter to use for AM. C'mon fella's, someone has
one to part with!

I was really bummed out I could not get on the
classic exchange yesterday. Maybe next year. No place
to put all this gear yet, trying to get a hamshack built.

Ronnie = W5SUM

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Robert Fowle <hammarlund@jacksonmi.com>
Subject: another Astatic mic I'd like to find...
Message-ID: <32F58787.26E8@jacksonmi.com>

Hi gang;
would like to find an Astatic Model DR-11 & DR-11-S
if you have such..please lets talk...
thank you

--

**** Visit my Web Page.....****

=====]-[->

Robert Fowle KC8DBC
1215 Winifred
Jackson, Mich. 49202-1946
Ph. 517-789-6721
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>

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Moderator: Robert Fowle
at: <http://www.inetnc.com/hamchat/>

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: dma@IslandNet.com
Subject: ART-13 Info Needed
Message-ID: <1.5.4.32.19970203002918.006c5274@pop.IslandNet.com>

I've put an ART-13 back in business, using the original dynamotor power supply. I haven't tried it on the air yet, so on the bench have just put a 60watt light bulb on the antenna connection as a dummy load. It works great, the bulb lights bright, but the antenna current meter doesn't show anything.

The antenna current meter shows continuity, as does the transformer that provides an RF sample to it. The meter movement seems fine, as it adjusts easily with the front zero adjustment. So I'm puzzled.

Before I dig into this further, I wondered if any BAer can tell me what the meter actually measures, and how? There is lots of good rf voltage on the meter terminals, so I don't understand why the meter doesn't show anything. What's inside this thing?

Jan Skirrow, VE7DJX

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Mike Toneri <toneri@ils.net>
Subject: BA's for sale
Message-ID: <199702040117.UAA22170@server1.ils.net>

Found these fine boatanchors for sale on the local packet system from the Sunday night HF swap net.

Heathkit station: Apache/Mohawk/SB10 SSB Adaptor \$250 - VE3JPT

NC183 + manual \$145 - VE3RF

NCX5 \$200 - VE3OKF

NC109 \$100 - VE3XGB

S85 \$85 - VE3RDZ

Hallicrafters 1200 no price - VE3JEV

SX11 \$350 - VE4KR

All prices are Canadian dollars

73..Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: John P Russo <jprusso@ACSU.Buffalo.EDU>
Subject: BC-652A need info
Message-ID: <Pine.GS0.3.95.970203142736.11145A-100000@destrier.acsu.buffalo.edu>

Recently found a BC-652A receiver at a nearby surplus store and
couldn't pass up the deal. Covers 2 - 6MC in two bands, phone
and mcw modes. Had a dynamotor built in, now missing. Just can't
pass up old MIL stuff, incurable disease !!

Would be interested in any details pertaining to its role in
WW-II.

I did receive a Oct. 1965 copy of a CQ article detailing PS circuit and
remote S meter wiring details.

I would very much like a copy of the receiver schematic, yes the
bottom plate/schematic of the receiver is missing.

Tuning knob also broken, any junkers out there guys??

Your comments would be appreciated, TNX.

John Russo KF2JQ Buffalo NY

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Spencer Petri <spetri@e-tex.com>
Subject: Books FS
Message-ID: <m0vrTJ6-0000WdC@e-tex.com>

Hello Anchorites,

Got a few nice books to list:

1. Electronic Designers' Handbook, Copyright 1957. Good engineering book with dust cover in excellent condition with sections on transmission lines, including waveguides, and antennas. \$15 + \$4 priority mail.
2. Elements of Radio. Charles Hellman, Second Edition-1946. Book is in good condition. Binder has small tatter on spine. Excellent basic electronics book. \$10 + \$3 priority mail.
3. Howard Sams Basic Electronic Series, Radio Circuits. Copyright 1963. Like new. With colored diagrams showing different paths in radio circuits. \$10 + \$3 priority mail.
4. C.R.C. Standard Mathematical Tables, Third reprint 1956. Nice binding, looks like leather but don't know (was there vinyl in 1956?). \$10 + \$3 priority mail.
5. Eveready Radio Batteries 1958 replacement guide and comparative stock numbers. Like new. \$2 mailed.

73 de Pete WA5JCI

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Bob Duckworth <WB4MNF@atl.org>
Subject: C1057/ARC34 Control Head.
Message-ID: <01BC11CD.684B1450@office>

Spent most of the morning at the scrap metal guys place.
You don't want to know the Collins/Hammarlund/..... stuff that was
in shreds. Wheel barrow loads of 4CX250s that had been crushed
whilst still new in their boxes..... Was told "that's the way it comes
from the govt. these days"

Did find a C1057/ARC34 control head that had escaped being shredded.
It's green tagged and has San Antonio Air Material Area/Kelly AFB decal.

I've no use for it.

\$20 plus best story plus postage.

-or-

interesting trade (like maybe a cable to use between my ARC-58 and
the control head)

-bob
wb4mnf@atl.org

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Ho4bart@aol.com
Subject: Re: C1057/ARC34 Control Head.
Message-ID: <970203183933_1693880627@emout01.mail.aol.com>

In a message dated 97-02-03 12:49:42 EST, WB4MNF@atl.org (Bob Duckworth) writes:

<< Was told "that's the way it comes
from the govt. these days" >>

if this is true, is this not an outrageous, yes, criminal squandering of the national treasury? a ham last year told me he witnessed in alaska the destruction of 10 current technology, civilian HF receivers. who can i protest this to?

i have been told this might veer off into off-theme area, so if you wish to comment, reply to me direct, not the entire list. thank you. hue miller

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: arc5@ix.netcom.com (David Stinson)
Subject: Classic Exchange
Message-ID: <199702031353.FAA04722@dfw-ix5.ix.netcom.com>

Between boxing stuff that I've owed people for, oh...about three months, pants-tugging kids and my wonderful-but-non-radio wife, I did manage to work a little Classic Exchange on CW this time around. It was a gas. Even finally got to QSO with Boatanchor Bob his own self! I was on my BC-375, too.

I didn't think the old 375 was going to make it. I was tuning it up earlier when I smelled the unmistakable scent of burning double-cotton-coated wire. Then, both of those precious and irreplaceable High Voltage fuses gave up the ghost. Thank goodness Mike Hanz had graciously sent me some spares.

The choke just below the PA tube (1118) that keeps RF off the modulator secondary was arcing between the wire that runs behind it, through the choke and down to the PA tube socket. Burned the winding open. Well, I pulled the choke

and started unwrapping turns. Found the open after unwrapping 13 turns...no kidding. How's that for you numerologists out there? Lots of burned spots on the wire, too. Anyhow, I got out the old red Glyptol corona dope and fixed it. Now I have one white and one red RF choke under the 375 chassis.

I used the SCR-274 and ARC-5 on 40, the ARC-5 and BC-375/BC-348 (SCR-287) on 80. The ARC-5 rig was the mate of the SCR-274N rig printed in ER awhile ago. I only had time for the "three contact each rig" rule since kids, wife and other obligations crowded in, but it was still a great time.

73 DE Dave AB5S

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Robert Nickels <ranickel@mwci.net>
Subject: Cool webpage
Message-ID: <32F69B5B.4447@mwci.net>

I caught K8IRC on 40 AM Sunday with a killer signal from northern Minnesota. He said that there was a photo of his homebrew 4-400 transmitter on his web page, and I checked it out...WOW!

For some great pix of some pretty rare BAs - check out
<http://www.uslink.net/~bberg/>

73, Bob W9RAN

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Mike Sanders <k0az@i1.net>
Subject: Re: Crystal Socket for Antenna Relay
Message-ID: <3.0.16.19970202194958.2eaf7e8a@i1.net>

Greetings Larry, Bob and All, These plastic 2 pin connectors may be still available from Radio Shack. They were up to last year. Look in the TV section of their catalog. A homebrew transmitter with 6L6 and a Knight Space Spanner used these connectors for antenna changeover back about 1959. You could buy them in sockets and plugs. One socket and two plugs and you had tv twin lead antenna changeover. Later upgraded to a dpdt porcelain knife switch. Was really automated then. Not unusual back then for the fella on the other end to take 15 seconds to a full minute to come back to you when it was his turn to transmit. How did we get in such a hurry and where did our patience go? 73, Mike K0AZ

At 01:53 PM 2/2/97 -0600, Larry Kayser wrote:

>Bob es Boatanchors:

>

>>Now if someone can tell me what the TMC engineers had in mind when

>>they selected that whacky 2-pin socket for the muting relay...

>

>Well what you call "whacky" for your 1995 perspecitive was not so "whacky"
>in the 1950/60 perspective. There used to be a series of plugs and jacks
>that fit the then popular 300 Ohm Twin Lead TV antenna cable that was the
>same is the HC-6u crystal spacing. The plastic connectors were very
>popular then and very commonly available. They were cheap and easy to use.
>There were in fact both sizes of this connector available both for the pin
>as used on an 8 pin octal tube and as used in the 7 and 9 pin miniature
>glass tubes. I have several of them still here, in fact I use them to
>connect tuning stubs in and out of my FM antenna so I can hear Garrison
>Keeler (sic?) on the next channel to an overmodulated and loud FM station
>in this country.

>

>I have not seen these advertised for a long time, but I do know that Millen
>used to make them, as some of the ones I have have a nice Millen logo on
>them.

>

>Larry

>va3lk / wa3zia

>

>

>

>

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997

From: Sandy W5TVW <ebjr@worldnet.att.net>

Subject: Re: Crystals without holders?

Message-ID: <19970203042316.AAA19303@LOCALNAME>

At 01:58 PM 2/2/97 +0000, you wrote:

>: So...why do we necessarily need to buy the holders? Could a vendor like
>: Phoenix just grind the crystal itself, ship it to us, and let us drop it
>: into an available FT-243 case?

>

>I think someone should contact Phoenix Crystals and see if he would be
>willing to accept a customers used FT-243 holders and re-crystal them to
>your desired frequency. That way he has the holder to work with and can
>control all the quality aspects as well as inspect the holder for it's
>suitability. If I were him I would be more apt to say yes to this
>scenario then shipping crystal blanks for the user to install in an

>unknown holder. Besides, he then gets to keep the old FT-243 blank which
>he may be able to re-cycle! This could be a great program to really
>reduce the costs of FT-243's.

I asked Woods of C-w Crystals about this just before and just after he went out of business. I had an order in for better then 8 months and he sent back my check with the form letter that he was quitting the business.

Does anyone have any word as to what happened to all his gear? Did someone finally buy him out?

I think it would be great to get some blanks lapped to just below the band edge ready to be brought up in frequency. Usually the "cuts" used by most of the 40 meter crystals I have seen are "BT", and "AT" for 80 meter ones. I haven't really studied the 160 meter range ones close enough to determine which "cut" is used there. I have a bunch of usable FT-243 holders complete with electrodes in the two common sizes. (Square and rectangular patterns)

I also understand Petersen Radio still is making crystals but I don't know if they are still doing FT-243 types. I queried JAN Crystals about "blanks" for FT-243 holder a couple of times last year, and they never even offered me the courtesy of an answer!

The guys 'starting up' are going to use the HC-6/U style holders which are practically impossible to 'tinker' with.

If anyone comes up with 160/80/40 meter "blanks" I'd sure like to know about it.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

Butternut HF2V antenna, G-R test gear.....*

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997

From: berg stephen erik <z931086@corn.cso.niu.edu>

Subject: Re: Crystals without holders?

Message-ID: <Pine.3.89.9702031414.A13575-0100000@corn.cso.niu.edu>

I recently ordered some crystals for some older Swan and Hallicrafters gear from International Crystal. They came in a couple of weeks, and the one I tried worked fine. I do not have their address and phone number here in the lab, but they still are happy to have the business, and have a database for older radios to match up the needed parameters. I do not know if they have ft-243 holders.

73,

Steve WA9JML

z931086@corn.cso.niu.edu

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997

From: "Roger A. McCarty" <rmccarty@deltanet.com>

Subject: CX

Message-ID: <32F6060C.31E9@deltanet.com>

1600 hours: Threw up a 20 meter loop in a vertical plane, feed it with 450 ohm line to allow operation on 20 and above, "just in case" 15 should open.

1800 hours: Pulled out the Viking 2 and Halli SX101 for the CW station. Check out transmitter, load, and Heath HD-1410 keyer.

Bzzzt!! What!! Smoke got out of the keyer.

1900 Hours: Down to radio shack to buy a reed relay and generic switching transistor to get the keyer back on line. Reed Relay an addition to keep key line voltages in the tube rigs off the key line in the keyer, "just in case". Works Ok, no problem.

2030 Hours: Begin to listen on the bands. Remember the "just in case" for 15 meters? Heck, 20 meters was dead. Relegated myself to 40 and 80 meter CW. Listen...Listen...Listen...Listen... Where is everybody?

2100 hours: Call CQ CX on 7060, 3560, and 3.579. Where is everybody?

2130 Hours: Listen on 3880 and 7290 phone bands. Where is everybody?

2200 Hours: Recheck rig and antenna. Loads Ok, Receive? yep, there's the 40 meter swap net, loud as always. 75 Meters is alive with Qsos across the band. HEY!! Where is everybody???

2230 Hours: Call CQ CX on 7060. Whats this? Whoop de Whoop whoop. Whoop Whoop de Whoop. Something failed on the 122 VFO. Switch to the DX60/Hr10 combo. Finally! Work a couple of CX stations. WOW! This is fun, just like the "01 days". Homebrew and drake stuff.

2330 Hours: Pull out the Viking and put another Viking in it's place. (Have to change the transmitter and VFO as the VFO plugs do not match, 9 pin plug on second unit changed to 8 pin plug to accomodate 6n2 adaptor when used). 2nd Viking works beautifully.

0100 Hours: Work a couple of more CX stations on CW. One of the contacts a dup, but with different rigs. Fun!!

That's all I did. I had to quit at this point to get some of the domestic chores done. I spent more time "fixin" than "workin", but had a blast anyway. Is there a reward for fewest contacts?

Looking forward to the next CX

73

Roger KD6CC

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: w2ec@VNET.IBM.COM
Subject: CX
Message-ID: <199702031751.LAA26413@uro.theporch.com>

Well, I had great luck BEFORE CX.

Worked over a dozen stations on 75 AM and a half dozen on 40 AM using the Valiant and alternating between the HRO Sr and the RBB/RBC. By the time CX started, a couple LIDs took over 3880 playing music, used the excuse he wanted to show how well his new mod transformer was working, and using language that doesn't even appear on primetime TV yet. I'm no prude, but that kind of language just doesn't belong on the ham bands! Got so mad I gave up on 75 AM.

Went down on 80 CW (promised myself to use only the AT-1, not the Valiant on CW) so didn't make out there. Crystal controlled on 3.579545 with the AT-1 and no-one found me. I heard lots of people calling CQ CX on 80 and 40 CW with the HRO/RBB/RBC receivers, but nobody found me on 3.579 or 7.159. Just have to make up a vfo or get some new rocks for 3560/7060 stuff. What I heard though, sounded great. Lot's of people out there at my end. Shouldn't have limited myself to the AT-1. The Valiant woulda got out!

Never even got around to trying SSB with the KWM-2.

73, Ray W2EC w2ec@vnet.ibm.com

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Tom Taylor <ttaylor@Adobe.COM>
Subject: CX
Message-ID: <v03007800af1bf133ae7e@[144.7.25.31]>

I started the CX on 20m SSB about 2pm local time. I didn't hear anyone

calling CQ CX, but there were a lot of people from W1 land in the Vermont QSO party. I worked several stations in NH and Vermont with my Drake Twins.

I checked other bands/modes but didn't hear any CX activity except for 40m CW. I made about 16 QSOs, some with the same station, but with me using different rigs. I heard lots of mid-Western stations (9's, for example) calling CQ CX but I couldn't crack through. A California station I talked to mentioned he was having the same problem. Heck, I had an easier time working VK0IR on 40!

The CX contest was the first time I tried my DX-100 on CW. I didn't have a sidetone monitor, but I could hear the transformer buzzing while I keyed. That was enough to monitor my keying.

Rigs I used:
R-4C & T-4XC
2-C & 2-NT
NC-300 & DX-100
R-4A & T-4X

Tom N7TM

Tom Taylor
ttaylor@adobe.com

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: polepeeg@aa4rm.radio.org (Boat Anchors collection ID)
Subject: Re: CX
Message-ID: <199702032024.PAA01108@aa4rm>

Well here's another participant's account. I came alive on 75m ssb with the sainted Cosmophone - one hour late because I'd forgotten that I'd exchanged tip and ring in the mic plug. the creature took part in a dozen QSOs & due to it's 3kc Collins mech filter got great audio reports.

Lots of Atlanta-area activity. W4NZH, N4OSJ, WB4AEG, W3YCH, K0OCC, W4UOC, WA4YGG pop right to mind.

Now I like Tom N7TM tried 20 ssb around 2P EST and peeled off several NH Qso party contacts but deferred to the Cosmo puzzle - not to return to 20M 'til around 7 - then deadsville on both ssb and cw [did work XE1/K8ZAA in Mex. City with his Argonaut / MFJ loop with 599s both ways - so band fine]. Hoped to work W8ZR's KWM-1 but no luck. I was using an M-1 too. One that crackled & sparked when you

switched to 'tune' (some tune!) Turned out to be a tubular ceramic in the bridge neut. ckt. was shorting to the 260V relay switched line. Very easy repair after opening bottom and "switching to tune." Self evident soln.... twist cap out the way.

Amazing, but true - 6146s in KWM-1 final still fb..

Then there was the TCS which I tried to work NA4G with Sat. PM w/o an antenna. Mil power plug went with a 50-yr old cold solder joint. Then an hour later a 50 yr.-old 3AG 4A fuse went. But another fuse brought her back. Who needs sidetone with all those relays hammering on CW?

Navigator consumed a fuse & soldiered on with a pigtail replacement. That and a 2B are my favorite oldies.

Got 3 contacts ea. with a G76, a 32V3/75A1 pair, the 'fone anchors Viking500/Pro310,' and the garish RME/Stancor 69 duo. These four stations glitch-free.

About 4 hours & 40 qsos operating, 3 hours fixing. Whatta picnic!

Marty

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Dale Braun <dale.k.braun@uwrf.edu>
Subject: CX -Reply
Message-ID: <s2f5c052.098@adngate.adn.uwrf.edu>

To all:

Roger's tales of CX were similar to mine. Over the past month I've taken pride in that I had four BA stations on line in great condition. Pride goes before the fall, they say, or something similar to that. In less than 24 hours, four of the 8 pieces of equipment had some problem or other. Mostly pilot lights and stuff, but fixable problems none the less. A strange hum/ripple problem in the Heath Marauder kept it off the air. And a broken headphone connector on the RME 4350A meant the CW from the speaker had to compete with "Jumpman" being played by my 8 year old daughter in the background! Oh well, had fun anyway. Total CX count? Six contacts. One on 40 CW, three on 75 AM, and two on 80 CW. Better luck next time, as they say.

73,
Dale
WD9GWH

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Nick England <nick@cs.unc.edu>
Subject: CX fun
Message-ID: <199702031729.MAA15535@altair.cs.unc.edu>

About 2pm EST, I didn't hear anyone else on 3885 kc, so I put out a "Hello Test" while warming up my 32V-1.
N4HHH (National 4 Hammarlund Hallicrafters Heathkit) came back with his Knight T-150 and it was boatanchor city for the next 2 hours. I counted 12 stations from NC/VA/SC/GA with lots of interesting vintage gear.

Tom Koch W4UOC checked in with a Harvey-Wells T-90/R-9/Z-match set up. John Brewer WB50AU had his green machines (Apache/Mohawk) running. Richard Wayne W4LN was on too - those are all the BA list members I recognized, but there were probably more.
Also heard AM QSOs on 3890, 3870, 3835(AWA net).

I ran the following:
32V-1 / 75A-4
Valiant II / SX-101
Valiant I / SX-88
Viking II / SX-115
DX-100 / NC-300

73 & Have Fun,
Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina
<http://www.cs.unc.edu/~nick> Chapel Hill NC

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Mike Toneri <toneri@ils.net>
Subject: Re: CX Funnies
Message-ID: <199702032359.SAA20841@server1.ils.net>

I had a great time on the CX last night. Having missed CX for at least the past two years, it was good to hear all those warbly CW signals. I didn't have the shack set up for CX and as a result, the Valiant2 and Invader 2000 did not get to add their warmth to the shack. Maybe in the Fall CX I will have everything set up as before so that I can instantly switch between five different stations.

There sure was a lot of activity on 40 and 80 CW but I didn't hear anyone on SSB on 80. I guess I was listening at the wrong time. I have been hearing a growing number of signals on 3579 lately. There must be a lot of hams building little one tube transmitters for that frequency and I am going to

pick up a couple of those crystals and get busy on a 117N7 transmitter and maybe a matching regen receiver to go with it.

The Invader 2000 will probably go on the air again in a couple weeks when I get the time and energy to re-arrange the shack....again :-)

Think I will hang around 3560 for a while tonight with the Valiant 1 after it warms up a bit.

73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: djhutch@concentric.net
Subject: Drake R-4C Satori mods
Message-ID: <32F52A31.47F0@concentric.net>

Where do you find information on the Satori modifications? Are they still available today?

Thank you,

Dave K9HT

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Steve Posey <gjposey@worldnet.att.net>
Subject: Drake SW-4A Info Query
Message-ID: <32F53EAF.568A@worldnet.att.net>

I know a lot of folks like the Drake R4 rcvrs; what kind of rep does the Drake SW-4A enjoy? And anybody want to hazard a guess as to the worth of a decent SW-4A?

I ask because of no experience with the Drake products (they came out long after my ticket expired) and my current usage of these lovely boxes is as an interested SWL (shame shame shame, but at least honest, eh?).

Steve

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: azoth@netcom.com (Az0th)

Subject: Re: Drake SW-4A Info Query
Message-ID: <199702031526.KAA18932@netcom6.netcom.com>

Hi Steve,

> I know a lot of folks like the Drake R4 rcvrs; what kind of rep does the
> Drake SW-4A enjoy? And anybody want to hazard a guess as to the worth

Not enough QRM-fighting knobs to really class as a DX machine, but for casual SWBC listening, it's outstanding. Elegantly simple to operate, decent audio, and it looks and feels like a Drake, even down to the fine AGC. No BFO, though, so it's strictly SWBC.

> of a decent SW-4A?

Well, I swapped a early R-4C for my SW-4A; I think I paid ~\$225 for the C. I've seen a couple of SW-4As go for a bit less, but this one is in _very_ nice shape. They don't appear to be all that common. I've about given up on finding an SW-4 (non-A), which is even less common.

73 de KF4FJH - RF Buchanan

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Larry Godek <AZCOT@gnn.com>
Subject: End of CW
Message-ID: <199702040215.VAA10519@mail-e2b.gnn.com>

Local radio station mentioned that last Friday night was the end of CW for the French. Sent some kind of message at Midnight. Anyone hear it or know about it. Another country now out of the CW business for Ships at Sea.

Larry Godek W00GH
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TAO, KN6TUP

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Joe Eide <jeide@eau.net>
Subject: EV-664
Message-ID: <32F54B2A.21C9@eau.net>

Hi Gang,

I'm looking for an Electro-Voice 664 mic. What can I expect to pay for a nice one?

Thanks in advance .. Joe Eide - KB9R jeide@eau.net

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: "Rick Blank" <rblank@legend.txdirect.net>
Subject: Re: EV-664
Message-ID: <199702030350.VAA18894@legend.txdirect.net>

>
> I'm looking for an Electro-Voice 664 mic. What can I expect to
> pay for a nice one?

>
About \$20 to \$50 for nice ones, stands optional....
Rick Blank, KI5SL rblank@txdirect.net
2223 Blanco Road
San Antonio, Texas 78212

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: "Joseph J. Curry" <71407.1774@CompuServe.COM>
Subject: Filling of Holes In Rack Cabinets
Message-ID: <970203230146_71407.1774_FHV90-1@CompuServe.COM>

Fellow Boatanchor Fans:

I am trying to save an otherwise nice "real steel" desktop rack cabinet that the previous owner(s) decided to "improve" by the addition of about a dozen+ holes ranging in size from 1/8" to 1/4". What do the august members of this group recommend to fill the holes? I want to have the cabinet sandblasted and powder coated and therefore I don't believe that Bondo or similar non-metal fillers would do the job. I am concerned that the powder coating will not properly cover or adhere to what would be essentially non-conductive material. Are the liquid-metal products any good?

Considering the price of these cabinets today, I thought this one might be worth saving. Given the fact that I live in Northern California, the idea of taking it to a body shop and having the holes welded would make little sense. The cost of labor in this area is such that I could probably buy a new cabinet for what it would cost to weld-up the holes!

I'd appreciate your comments.

73,

Joe
K3ICO
AMI #721

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Ken_Warren@beavton.k12.or.us (Ken Warren)
Subject: Re: FS - Misc \$20 Sale
Message-ID: <1887698910.66986@beavton.k12.or.us>

Hi Bob, I would be interested in the 4-1000 socket if it's still available. Let me know.

Ken Warren K7RPX

Ken_Warren@beavton.k12.or.us
KenwK7RPX@worldnet.att.net
--
Beaverton School District
Beaverton, Oregon

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: rpilon@achilles.net (Ray Pilon)
Subject: FS: COLLINS radio

I have the following amateur radio equipment for sale:

Collins KWS-1 serial #1118
Collins 75A-4 serial #5471
The receiver is in real nice shape, the transmitter in fair to good shape. Asking \$1400.00 US for the pair.

Viking Ranger serial #64010
This radio is in real nice shape. Asking \$175.00 US.
Tubes:

Quatity 5- brand new in the vaccum sealed can Eimac 4cx250, asking \$75.US each.
Quantity 2- brand new in the vaccum sealed can Eimac 4x150, asking \$150. US for the pair.

Quatity 2- tube sockets and ceramic chimmneys and hardware for above tubes, make me an offer.

Quantity 12- used Eimac 4cx250, asking \$150. for the lot or will include with the KWS-1.

If interested contact via e-mail:

rpilon@achilles.net

or call:

613-489-3519

I'm located in the Ottawa Ontario, Canada area. None of the above prices include shipping.

Thank you
Ray

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Terry Gaiser <gaiser@lsbsdi2.lightspeed.net>
Subject: FS: Collins S-Line
Message-ID: <32F55853.10F4@bak2.lightspeed.net>

Collector quality mint Round emblem 32S-3, 75S-3B with 500 HZ filter, 516F-2 power supply. Only flaw is paint chip on finger holes otherwise these are like out of the box new.
\$ 1500.00 shipped.
Terry Gaiser - W6TG
805-366-2211
fax 805-363-5011

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: FS: H0-10 parts unit
Message-ID: <32F602BA.5702@sci.mus.mn.us>

This is actually almost too nice for a parts unit, it is non-working but everything is present except (you guessed it) the power transformer. The front panel is fair (some small patches of oxidation), the cabinet is pretty good, the CRT os present, it has all the original knobs, and is pretty clean inside.

Best offer plus shipping.

Cheers,

--

Chuck Penson
WA7ZZE

penson@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Madness takes its toll. Please have exact change.

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: FS: IR Image Tube, Etc.
Message-ID: <Pine.OSF.3.91.970203120842.32639B-1000000@gaston.tenet.edu>

JAN CBST 6929 IR image tube. Not tested. Appears to have slight defect at edge of viewing area. Does not look like it would be much of a problem. These were used in the Military "Metascope" which also had a small IR source.

IR source, Model X-264 Lamp. As used on Korean war vintage .30 Cal. Carbines. Complete with handle and cord with alligator clips to connect to battery.

Four spare NOS Mazda 1045 IR lamps.

Two spare NOS IR filters, M-1A8, approximately 5 1/2 inches diameter. Still in the sealed military wrappers. This is the same filter as used in the X-264 source listed above.

Best offer by midnight 8 February, 1997 or trade for military radio parts equipment, tubes, etc.

Best regards,

Lenox

Lenox Carruth, WA50VG
Dallas, Texas

klccarru@tenet.edu

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Sheldon Wheaton <swheaton@sky.net>
Subject: FS: NOS WWII & earlier parts
Message-ID: <Pine.GSO.3.93.970203003618.11643C-100000@sky.net>

Through a recent acquisition of some surplus merchandise, I am able to offer the following items for sale. All items are NOS in excellent condition, unless noted. Quantity discounts are available, please inquire if interested. Buyer pays shipping (not included in price).

1. BC-746 chassis - This is the metal bracket with the dual xtal socket, oscillator coil socket, and antenna coil socket. Attached to the bracket is the phenolic board that contains all of the socket contacts to mate with the BC-745 (SCR-511 or "pogo-stick" or "horsie-talkie"). No circuit components or wiring. "Virgin" terminals everywhere. Good for "de-conversion" of a butchered BC-746 unit, or for the parts (sockets). Price: 50 cents each

2. CRL Filament Rheostat - Late 1920's style Central Radio Labs (CRL) 5 ohm rheostat, with black 1.4" dia. bakelite knob & 1/4" long steel pointer. Body is 2.25" diameter. Screw terminal connections. In clean original boxes. Price: \$3 each or case of ten for \$20.

3. General Instrument Rheostat - similar to above, but includes 8" x 20" foldout 1926 product line brochure which includes "NOLOSS" air variable capacitors. Bakelite knob has molded-in pointer and includes 0-10 marked bakelite panel plate. Original boxes are soiled but intact. Price: \$4 each.

4. Remler Rheostat - similar to above, although original boxes are mostly "dented" badly and soiled. Boxes can most likely be made to look good with some careful attention. Rheostats are unused with classic Remler style knob. Price: \$5 each.

5. Rubber Feet - 1.06 diameter, .70 inch tall, accomodates #6 or #8 (tight) screw, has metal washer molded in. Pretty hard rubber (Buna-N?), apparently for heavy rig, yet not as hard as the molded plastic type. Hole must be "poked out" with a knife, but not difficult. Price: 50 cents per lot of 4 pieces.

6. Bayonet lamp socket - Accomodates miniature bayonet base (as in #47 lamp), has clip to slide onto 3/8" wide tab for mounting, two solder lugs about 3/8" long at 180 degrees, with two holes for wire attach on each lug. Some light corrosion from sitting on shelf. Price: 25 cents per lot of 4 pieces.

7. Jones "type" plug & socket - marked "Elco Varicon", contacts are bifurcated (split) for improved reliability over "Jones" type flat contacts. 6 circuits in 2x3 configuration, can be stacked for more circuits (2 x n) with addition of longer #2 screw to hold together, receptacle half has right angle brackets for flush panel mount (removeable). Black bakelite body measures .8" x .6" x .6" deep (incl. solder lugs on back). Price: 25 cents per mated pair.

8. "Strike" for military latches - This is the "J" shaped hook used with the spring loaded cover latches on many military rigs. 2 mounting holes will accept #8 screw at 9/16" center spacing. Steel with OD paint. Price: 25 cents per set of 4 pieces.

9. Carbon composition "20k" resistor - 2" x 3/8" diameter carbon comp power resistor, with "body-end-dot" marking to suggest 20k ohms. Actual resistance of samples was 27 to 30k. 1.5" long unused leads. Price: 25 cents per 5 pieces.

10. Electrolytic Capacitor - 2 x 60 micro-Farad at 200 volts (dual section) in metal can measuring 1.4" dia. by 3.25" long. In original box with tight fitting plastic cap over terminal end. After reforming a test sample (highly recommended), the capacitance checked 100 micro-Farads and leakage current was 200 microamps. Tan cardboard box is marked with the following info: JAN Type CD32E600K, Model REE, C-157, E.H. Scott Radio Labs, Inc. Price: 50 cents each.

11. Cord for headphone(?) - CD-495 cord in original sealed box, consists of JK-49 jack with about 6 inch of leads with spade lugs & strain relief cord. Jack apparently mates with a plug that is 5/16" diameter and about 1.5" long with 4 concentric rings for contacts (what's it for?). Signal Corp stamp, 1944 contract date, Contractor: Aircraft Products Co. Price: \$2 each.

Also available: WWII military aircraft spark plugs and oxygen flow testers, request separate description via direct email.

Sheldon Wheaton KC0CW
14708 Murray Ln.
Olathe, KS 66062-2610

swheaton@sky.net

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Ethan Emeson <emesone@elwha.evergreen.edu>
Subject: FS: tubes
Message-ID: <Pine.ULT.3.91.970202230731.319A-100000@elwha.evergreen.edu>

I've got about 350 different types NOS (not to mention used) that I'm not too attached to (I'd really like to see they get used). Trades preferred. Email with wants or for list.
--Ethan

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Fun on Classic Exchange
Message-ID: <v03007804af1aea232205@[134.53.65.12]>

Hi Gang,

I worked like a dog to get my KWM-1 fixed by the 2pm starting time, and found the bad capacitor (one of those darn little postage stamp micas again) 10 minutes before the contest began. Screwed all 22 screws in the bottom cover of the KWM-1, raced it over to the operating table, hooked up the antenna, mic and key AND..... discovered that 20 meters was stone dead! Could only hear a few South American stations down in the noise.

Didn't work a single station with it.

Having given up on twenty meters, I switched to forty and made a few ssb contacts on 7290 with my Hallicrafters FPM-200. Greg, N4OSJ had a great sounding BW 5100B with sideband adapter, and Herman, N4CH, had his Multi-Elmac ATR-4 working fine. It may be the only ATR-4 I've ever talked to.

Worked a bunch of guys on 40CW. Al, N5AIT, gave me a "565" signal report, but he was being courteous. Al was using Harvey-Wells rigs when I heard him. The cw note of the FPM-200 sounded like I was keying the AC line., and it chirped besides. However, I discovered that I attracted lots of attention with it, presumably because everybody wanted to know what causing that awful sound. Worked a bunch of folks later on 80cw, but didn't hear any activity on 75 SSB. Sandy, W5TVW, had a nice sounding 1928 Hartley rig on the air, as did Howie, WB2AWQ. Howie was also using a 1932 homebrewed receiver.

Finally, I couldn't stand my own CW note any longer (even the sidetone chirped and buzzed), so I finally gave up and warmed up the KWS-1, 75A-4. Worked a bunch of guys with it, but it seemed somehow like I was cheating. It was too easy, sort of like working sweepstakes with a Yaesu or something.

Heard lot's of great CW notes. Some were chirpy, sounding like baby canaries, while some had a beautiful hollow sound, as if sent from a deep canyon. Still others were soft and graceful, the morse equivalent of a deep southern accent. And then there's the FPM-200 note. Ain't nothing that it sounds like.

All in all a great time.

73,

Jim Garland W8ZR

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Robert Nickels <ranickel@mwci.net>
Subject: Re: Fun on Classic Exchange
Message-ID: <32F5614E.45F9@mwci.net>

Jim Garland W8ZR wrote:

> Having given up on twenty meters, I switched to forty and made a few > ssb contacts on 7290 with my Hallicrafters FPM-200.

Hi Jim and All,

I heard W8ZR on 40, the FPM-200 was putting out a great signal! Plenty strong and good crisp audio on SSB. I'd have given you a call, Jim, except for a few "technical difficulties", such as no RF from my Classic setup de jour, the HT-37/SX-111 combo.

I was switching from HT-37 #1 (didn't work) to HT-37 #2 (didn't work either) about that time. Classic Exchange here is a lot like impromptu Field Day. I must do it for the endorphins, as by the time I got done horsing BA transmitters around, bands were dead and I wasn't far from it, but had fun anyway. Finally ended up with the Heath Maurader next to the SX-111, certainly a respectable pair in any event. Just hope I don't have to join the Peter Dahl Club for HT-37s...

73, Bob W9RAN

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: BRICKEY_PETER@tandem.com
Subject: Hammarlund SP-600 NOS part FS
Message-ID: <199702021858.AA2873@POST.TANDEM.COM>

Hi;

I picked up several "Replacement Crystal Control Assembly" units (part #31409-G1) for the Hammarlund SP-600 receiver at the CHRS swap meet Saturday. They are brand new and include the 6AC7 tube. These are the crystal fixed freq units, complete with the crystal holders, shaft etc.

I have 3 to sell. If any one is interested, I would like \$8.00 each plus shipping.

73's Peter

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: BRICKEY_PETER@tandem.com
Subject: Hammarlund SP-600 parts -- SOLD
Message-ID: <199702030843.AA3385@POST.TANDEM.COM>

Hi;

Sorry all of the 'Crystal control assemblies' have been sold.

73's Peter

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: "Lawrence R. Ware" <lrware@pipeline.com>
Subject: Re: Heath C-3 manual available
Message-ID: <3.0.16.19970202201751.3c67aa9a@pop.pipeline.com>

Evening folks, so far I have six requests for the apparently hard to find Heath C-3 manual...
Only one lucky winner may have the original, but *all* requesters will get at least a photocopy.

Which leads me to the reason for to nights message:
Last call for C-3 manual copies!

I will wait a couple of days so the digest guys have a chance then down to the photocopier it goes...

Larry's Home for Wayward Test Equipment & Old Radios (tm)
Let your equipment retire in sunny central Florida.
Intensive Care, Private Bench Space, Frequent Use,
Factory trained HP, Tek & Fluke Surgeon on staff.
Good Home Guaranteed or double your junk back!
lrware@pipeline.com - Orlando, FL -

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: J P Taillebois <jpt1@idirect.com>
Subject: Help Johnson Valliant
Message-ID: <199702031133.GAA00477@relief.idirect.com>

Hello to everyone,

I have finally put the recently acquired Valliant on the test bench. All tubes have the EF Johnson markings. all test ok except for the 6BY5 grid rectifier testing weak. The chassis is immaculate and it looks like no components as ever been replaced. The dust inside was so minimal that i believe that this rig was rarely used and stored inside a container. The outside is also immaculate except for minimal scratches on the main cabinet, i would call it a 9.5 on a scale of 10. It is definately the best looking rig that i have in the shack. the knobs are like new with no marking or wear showing and have the original glossy look which tends to disappear with light and exposure to the elements.

the rig tests ok on all bands except for 80 mtr where i can't get more than

4 ma of grid current. The strange thing is that in increasing the grid control, it stays at 4 ma and when i reach the highest point, it jumps to 15ma in one shot.

Any suggestions would be appreciated and also if someone has a fresher 6by5 that might be the problem.

Modulation seems to be according to spec although i find it a little low and will experiment with different mics...

73 for now must go to work..

----- VE3JPT VE3JPT VE3JPT

Jean Paul Taillebois Interest:
Hallicrafter, Gonset, Johnson, Collins, Military radios and
996 Greenlane Court books.
Oshawa Ontario Canada
L1K-2C6
voice: 905 723 1811
paket: ve3jpt@ve3hqr

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: "Larry Bearse" <lbearse@mail1.nai.net>
Subject: Help on possible BA buy: Globe Scout
Message-ID: <199702031726.MAA07800@mail1.nai.net>

Does anyone know what a good condition (not pristine) Globe Scout is going for? I can rescue one from a CB'er locally, but just because he is a CB'er I don't want to rip him off or be ripped off either for that matter. I figure \$50 to \$75 more or less. Whatsay?

Thanks
Larry Bearse, WA1LGQ
lbearse@ct1.nai.net
"Language is a virus from outer space"

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
Subject: Help with 2 "finds"

Message-ID: <02FEB97.19937769.0320.MUSIC@MARISTB.MARIST.EDU>

Hi Gang,
I came homw today with some gifts.
1st is a 5" Heathkit push pull ocsilloscope.
2nd an EICO 720 Novice transmitter.
I would appreciate any information about what I have.
Thanks.
Fr Bowes

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Ethan Emeson <emesone@elwha.evergreen.edu>
Subject: hickok charts?
Message-ID: <Pine.ULT.3.91.970202230930.319B-1000000@elwha.evergreen.edu>

Anyone know where I can get "newer" data (entire charts, photo-copies, whatever) for my hickok 600A? Charts are the same as 533ADM,535,605/A, I think. My charts are from 1953!
--Ethan

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Mike Sanders <k0az@i1.net>
Subject: How sweet it is....HR050T1 plus Collins AM filter
Message-ID: <3.0.16.19970202210558.2caf71f2@i1.net>

Greetings All,
About a week ago I got in one of the Collins made 6khz mechanical filter module plug ins. This came from another list member. Collins made these for several differant radios including retro for the 75A2 and such. This one was made for the National HR050 model radio. It works. It works very well. AM reception on 75 meters never sounded so good. I have finally had a chance to really listen to it in the radio and am very happy with the results. 73, Mike K0AZ

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Bill Meara <wmeara@erols.com>
Subject: HQ-100 Questions
Message-ID: <199702031118.GAA01703@smtp3.erols.com>

Anchorologists:

I had great fun working on my old HQ-100 yesterday. I bought this radio in the Dominican Republic a couple of years ago. I've had to replace two IF cans, the audio output transformer, the electrolytic and a number of other parts. Yesterday, armed with my Eico signal generator and Heath VTVM, I

did an IF alignment. The cans were quite a bit off and there was a noticeable improvement in receiver performance. It was kind of fun to tweak the old rig using old test gear. I calibrated the EICO using a modern PLL radio with digital output.

I'm now ready to do the RF alignment, but I need some info on those wierd RF cans with two slugs both of which are accessed from above. I can see the top slugs and have a dip stick to turn them, but where are the bottom slugs? How far down? How do you know when you're turning the bottom one? I know that twisting these things is a hazardous business so I need some advice on how to proceed.

Second question for other HQ-100 owners: Is the selectivity pot supposed to have a "click" switch position at the far end of its range (full clockwise)(to put it in the BFO position)? Or do you just put the pot at full clockwise and let the Q multiplier go into isolation? (Mine does not click at the end of its range.)

Third question: My HQ-100 manual describes how the crystal calibrator can be converted into a BFO by putting a 455 khz crystal in place of the 100Khz rock (and then coupling the calibrator output in to the IF strip). The idea seems to be to take advantage of the narrow, pre-oscillation IF skirt coming from the Q multiplier (while using the calibrator cum BFO to beat the incoming CW/SSB signal). Anyone have any experience with this kind of arrangement?

Now that I've got the IF and Q multiplier stages aligned, it is fun to use the Q multiplier/BFO arrangement. I've never used one, but I imagine this is similar to using an old regen receiver.

73 De N2CQR
Bill Meara
Hallicrafters, Heaths and Hammarlunds
QTH: Falls Church, Virginia, USA
Formerly of Tegucigalpa, Bilbao and Santo Domingo
wmeara@erols.com
<http://www.mindspring.com/~johnmb/billm.htm>

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: "Allan Fritsche" <fritsche@msn.com>
Subject: HT-32 Horors revisited.
Message-ID: <UPMAIL03.199702040047380423@msn.com>

Well Gang, I thought I was home free on getting the Operation Switch back in the little HT-32. Had two connections left to make and said perhaps I should

put a knob on and make a check on knob tension. I ran it through the scale and noticed a tightness, forced the knob and all seemed well. What I didn't realize was that solder had dripped down on a connection and forced the stationary plate of the switch (2 front) to crawl over the switch sections and bend outwards. Well I saw it and said with a little luck I can get the thing back on track. Well my luck ran out and the stationary plate, broke and fell to the bottom of the exciter . In so few words, the Switch is now useless. Well , what to do?

- (1) do I dream for a OP switch.
- (2) anybody got a spare exciter.
- (3) Should I junk for parts.
- (4) Will somebody come over and cut off my left index finger to remind me that only enough solder is correct.
- (5)Should I just put it all back together , sit it by the SX-101 and hide a Yaesu behind the front panel.

really disappointed tonight.

Al

fritsche@msn.com

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997

From: "Allan Fritsche" <fritsche@msn.com>

Subject: HT-32 Operation switch

Message-ID: <UPMAIL03.199702030011480850@msn.com>

Hey Gang,

>From the the Great city of Houston, home of the loudest mouthed BA collectors on the list (Just kidding Ben).

Well got the schematics from ALLAN (modstep@acs.eku.edu). I like ALLAN a lot as my name is ALLAN also. Enough of that.

Well if you remember or are really trying to forget, I had the HT-32 Operation Switch out for R&R about 2 months ago. I worked what little magic I could on it and have been reluctant to replace, i.e., my drawings were lost, and even then that didn't agree with the schematic.

Well My cousin AL, sent me a copy of the Schematic for the HT-32A and B Great Day in the Morning, I found my hen scratched notes in a box labeled FM-60A.

Guess What, My exciter sub chassis is wired like the HT-32A.

Now armed with 3 schematics, my hand written notes, I think I will be able to get the HT-32 (Mark I)working in short order.(at least the exciter assembly).

One last Item, got a SX-101A head knob, and would like to trade for a HT-32 SX-101 head. By head I mean without the skirt.

Have a good Nite
Al'
fritsche@msn.com

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: the-radio-doctor@juno.com (Rob D Long)
Subject: Info on Viking 500
Message-ID: <19970202.191837.12214.4.the-radio-doctor@juno.com>

Would anyone out here know what the actual weight is for a Johnson Viking 500, dimensions would also be nice. if possible seperate dimensions/weight on the power supply and the RF Deck.

73, Rob

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Mike Toneri <toneri@ils.net>
Subject: Re: Info on Viking 500
Message-ID: <199702030320.WAA05880@server1.ils.net>

At 07:24 PM 2/2/97 -0600, Rob D Long wrote:

>
>
> Would anyone out here know what the actual weight is for a Johnson
>Viking 500, dimensions would also be nice. if possible seperate
>dimensions/weight on the power supply and the RF Deck.
>
>
>73, Rob

Here are the dimensions from the manual. The RF section is 21 1/8" wide, 17 3/8" deep, 11 5/8" high and weighs 57 pounds.
The power supply/ modulator is 10 7/8" x 20 3/8" x 15 3/4" and weighs 120 pounds.

73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: BEN NOCK <106312.1035@compuserve.com>
Subject: Japanese Radio, further.
Message-ID: <199702031306_MC2-10A8-EE0B@compuserve.com>

The big Jap (real ricebox !) radio I recently
acquired has had the name plate decoded by
a good friend in Nippon land. It turned out to be
a wireless set Type 94, No 3 A with another
designation on the plate stating Communication
Set Type 36, D. This Type 94 seems to be a common thread
in Japanese radio set numbering.

The tx being marked "Tokyo Works For Ministry"
The case and tx are dated the 14th year of Showa (1926 = 1)
while the rx is the 13th year (1938).

The rx unit is marked with the same set numbers and
"Nippon Communication Industries Co Ltd.
Ohmori Branch Offices, Sanyo Works"

Now, is this the same Sanyo that went on to rule
the world of electronics ?? or is Sanyo a common
name, like Clinton or Barr, out there ?

Still it all makes for interesting reading never the less.
I have the tx tube coming from Japan, it was missing,
so hopefully, we can even get the thing on the air when it arrives,
though how do you say CQ in Japanese... ceequw maybe ?
A more detailed article is in production, I will let you
know where it is going to appear.

Cheers, Ben G4BXD

MILITARY WIRELESS IN THE MIDLANDS

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: km1h@juno.com
Subject: KWS1, 75A4, etc FS
Message-ID: <19970202.195940.9887.16.km1h@juno.com>

This may be of interest to a few BAers....Have at it....but dont all jump him at once.....Carl KM1H

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: "Lawrence R. Ware" <lrware@pipeline.com>
Subject: Larry's got another contest -or- funny old keyer needs new
Message-ID: <3.0.16.19970203220657.3cb79b56@pop.pipeline.com>

Good Evening firebottle fanatics:
In a posting some time ago, I commented about an Eico 717
Electronic Keyer I acquired.
New Years is *not* the time to try a giveaway contest. :-)
I think *everyone* was out on vacation, -or-
nobody wants this poor little old canoe anchor...
But I digress...

I have a Eico 717 firebottle keyer looking for a good home.
Tonights winner has only to pay shipping costs to acquire this
rusty old hulk, errrrr- "Great Little Example of Eico Firebottle
Technology at its Best! :-)

Cosmetically about a 4. Wire cage outer case has some rust spots and
could use some paint.
Visual inspection of electronics about a 5.
Complete set of tubes in it, four are still Eico brand, one RS, one unknown. All
but the unknown test OK.

Being the strange sort that I am, I thought I'd offer it to the list
as a freebie and see what happened... So:

Welcome to "Larry's Eico Canoe Anchor Contest."
So here are the "rules" for acquiring this cute little project
canoe anchor:

Winners will be determined by:

- 1) Tell me why you need/want it, points awarded for:
 - a) Completing an Eico collection.
 - b) Needing it to complete an ALL Eico station.
 - c) Looking for someone your "Elmer-ing"
 - d) *Making up an outrageous story of what you will use it for. :-)

* For item "d" the taller and more unbelievable the better...

Story's about ET, Barney the Dinosaur, or how ET used your Eico to
Order a "hit" on Barney while also phoning home are always
good for extra points.

- 2) Bonus points to anyone who has sent me a manual, helped
me find a part, or provided advice, (good or bad, it's the effort that
counts. :-) or sold me something at a reasonable price.

3) Double bonus points to anyone who has posted thoughtful technical comments to BA recently. I'm not that thoughtful a person myself, but I learn a lot from reading.. :-)

4) Triple bonus points for offering any display dud transmitting tube I don't already have in trade.

5) Automatic Winner status for whoever can point me towards a 455Khz BA panoramic adapter that will work with my Nationals.

Winner will be determined any darn way I feel like.

Judges decision is final. (Although open to bribes :-)

-Larry

Larry's Home for Wayward Test Equipment & Old Radios (tm)
Let your equipment retire in sunny central Florida.
Intensive Care, Private Bench Space, Frequent Use,
Factory trained HP, Tek & Fluke Surgeon on staff.
Good Home Guaranteed or double your junk back!
lrware@pipeline.com - Orlando, FL -

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: rlahlum@juno.com (Ross J Lahlum)
Subject: Matchbox manual
Message-ID: <19970202.224346.8862.3.rlahlum@juno.com>

Thanks to all the BA'ites who offered to send me a
a manual copy for the Johnson Matchbox I recently got.
I now have a copy on the way - this list is the best!!!

Regards & 73,
Ross KB9JJR
rlahlum@juno.com

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Cormac Thompson <cormac@televar.com>
Subject: MEISSNER SIG SHIFTER "EX" MANUAL NEEDED
Message-ID: <32F64C76.2AA@televar.com>

Hello again:

Does anyone have a copy, or original, of a manual, or at least schematic, for the Meissner Signal Shifter EX?

I have a "new" copy of the info for the older models I'd be glad to trade or will pay expenses outright. What say?

73

Cormac, W7JHS
Prosser, WA
cormac@televar.com

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Richard Post <POST@ouvaxa.cats.ohiou.edu>
Subject: RE: MEISSNER SIG SHIFTER "EX" MANUAL NEEDED
Message-ID: <A4873ZWRROYN3R*/R=OUVAXA/R=A1/U=POST/@MHS>

Cormac,

I can probably help out with a copy of the EX manual. My EX is pictured on the following URL.

<http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.HTML>

Prefer copy trade rather than cash. Am looking for a copy of the Hammarlund HQ-120 or National HRO-5 or what have you?

73,

Rich KB8TAD rpost1@ohiou.edu

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Richard Post <POST@ouvaxa.cats.ohiou.edu>
Subject: RE: misc avail
Message-ID: <A4892ZWRROXS8C*/R=OUVAXA/R=A1/U=POST/@MHS>

Larry Godek W00GH asked:

>Coast Guard DAE-1 DF unit. How big and whats it worth? Is it
>useful?

>

>Any leads or info on this stuff???

There is a DAE-1 and its loop pictured on the Museum of Radio and Technology web page. Neat unit. Essentially this is an LF to 2Mcs. receiver and remote loop.

Home page URL is
<http://www.library.ohiou.edu/MuseumR&T/museum.htm>

Rich KB8TAD Keeps Big Tube Active Devices

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Laird_Tom_N@hpmail1.90.deere.com
Subject: Re: more 75A3 questions
Message-ID: <H00005a0049b1641@MHS>

--openmail-part-0539829d-000000001
Content-Type: text/plain; charset=US-ASCII; name="Re:"
Content-Disposition: inline; filename="Re:"
Content-Transfer-Encoding: 7bit

DITTO on the 3.1kc filter for the A-3 and A-4!!! I have the 6kc
mechanical on my A-4 and always end up using the 3.1.

Tom Laird WC9M Moline, IL

--openmail-part-0539829d-000000001
From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Ben Bradley <bradley@norcross.mcs.slb.com>
Subject: More on Tek scopes
Message-ID: <3.0.32.19970203175249.009a4100@norcross.mcs.slb.com>

Thanks, guys, I got half a dozen messages about these old Tek
scopes, and the prospects look good for getting them going (the time
it will take is another matter, however).

The 545 scope had a Type 80 plug-in inserted into it (yes, that's
right)...the connector in the plug-in is upside down from what it
should be to properly mate with the connector in the frame, but the
soldered wires going to it appear to be original, which tells me what
someone mentioned, that a Type 80 doesn't go in a 545 scope, it only
goes in the 58x series. I bought all these things from the same place,
so apparently the 80 plugin did go with the 581 before (the 80) got
stripped.

The plug-in itself IS mostly stripped, though it appears to
have been very simple to begin with - its only two tubes, 6DJ8/6922
and 6AU6 are missing, as is something that sat next to them on the
chassis - there's about a 1.5 inch hole with two mounting screw holes
opposite each other. What went here? It wouldn't have been a big
electrolytic cap, would it? I don't know what all this thing needs, but
it doesn't look like too much trouble to rebuild...especially compared
to these mainframes...dozens of tubes, and lots of iron and copper to

heat them up...I hope I get one of these running before winter's over...

Ben Bradley, Design Engineer
Schlumberger MCS
snail: 3155-B Northwoods Parkway
Norcross, GA 30071-1576 USA
email: bradley@norcross.mcs.slb.com
voice: 770-368-3444 ext. 3191
fax: 770-840-8614

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: "Gene S. Katz" <gkatz@motown.lmco.com>
Subject: NAVSHIPS Radar Timing Circuits
Message-ID: <Chameleon.970203151837.gkatz@pc062164.motown.lmco.com>

Name: Gene Katz
E-mail: gkatz@motown.lmco.com
From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Cormac Thompson <cormac@televar.com>
Subject: NEED CHOKE INFO
Message-ID: <32F64BEE.34BF@televar.com>

To the Group:

I have recently unearthed from storage a 1930's vintage HB rack and panel rig with some very large and heavy chokes in it.

Does anyone have specs on chokes made by Dongan Electric?
The number stamped on the plate is CW-1066.

All leads and info greatly appreciated.

73 Cormac, W7JHS
Prosser, WA
cormac@televar.com

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Terry Dobler KJ7F <kj7f@micron.net>
Subject: Need old callsign looked up
Message-ID: <2.2.16.19970202183328.3f977de2@popost.micron.net>

Gang,

If some one has a late 1950's or early 60's callbook, I would appreciate it very much if they would look up the info for W7ARW.

Terry KJ7F

PS No, I'm not changing my call. I purchased a piece of equipment that has this call in the manual.

kj7f@micron.net (Boise, Idaho) <http://netnow.micron.net/~kj7f>

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: Ho4bart@aol.com
Subject: Need: 1 fanatic National fan to adopt junker
Message-ID: <970203020350_443587706@emout01.mail.aol.com>

National fixed freq HF rec, rackmount, about 4 ins. tall, 10 ins. deep, standard 19 ins rack panel wide type RHB, built for CAA. probably airport use, 1940s. front panel could survive without repaint. green color. problems: rack panel one corner bent, needs straighten no tubes (about 8, 6v metal like 6sg7, 6sj7, rect 5y3) also no rf coils (2) seem to plug into 6 pin tube socket on tube deck. no schematic. no xtal. controls, about 4, like vol, cwo on, cwo freq, and ? also phone jack. i have had this for years and felt that it deserves to live, altho it's not the most useful equip. it wouldn't be a major difficulty level of restoration, it's not been stored in a swamp and there's no dial drive etc to be all screwed up. the schematic you can likely dish out in 3 happy hours, nothing is real hidden. is there a Nat'l Co. enthusiast who will open his/her home to this orphan? the price is about as cheap as i can make it--shipping on abt 15 lbs. fob salt lake city + some quid pro quo for my packing chore -- 3 prewar radio magazines, or maybe 4-5 used 6v tubes like 6sa7, 6k7, 6l7, 6sk7, or maybe one really funny joke, just something.

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: dr.electron@juno.com
Subject: RE: Paint, Colors
Message-ID: <19970202.195047.6590.0.dr.electron@juno.com>

Greetings;

RE: The maroon paint, etc. etc. , why not go to a paint store and pick up some

" chips " for a good quality enamel, and compare them to your equipment ?
(In natural sunlight)

Thoughts on this ?

0111 0011's <H> Rich P

#

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997

From: Paul Thekan <Paul.Thekan@eimac.cpii.com>

Subject: PRC 74 antennas available

Message-ID: <2.2.16.19970202160000.296f9e3a@eitel.eimac.cpii.com>

Hello all

A while back I made a posting for a friend who was looking for the collapsable whip ant. for the PRC 74. It seemed that there where a lot of other people out there looking for the same thing. The antenna is available from:

Kurt Lesser

E mail KWL@tfs.varian.com

Home phone 408 238 8277

San Jose , Calif

The antennas are NEW and cover 2-18mhz. NO CANVAS BAGS..He is asking \$25 ea plus shipping.

PLEASE CONTACT KURT..NOT ME. I am only posting this because I know there are others out there looking for this antenna.

Good luck

Paul N6FEG

Paul Thekan - Speaking for Himself

Paul.Thekan@eimac.cpii.com

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997

From: the-radio-doctor@juno.com (Rob D Long)

Subject: Queens Estate sale update

Message-ID: <19970202.235439.12286.5.the-radio-doctor@juno.com>

Hello list members, The Viking 500 is mine!! a ten year+ search has ended in my acquiring A MINT with original paperwork, Keys, and

even the original box 500!!

Well now the Hunt is still on for someone in the Queens area able to ship the 120 pound Power supply/modulator, and the 57 pound RF-Deck! (thanks to all who responded with the info!) If I cannot find someone able to drop this beast at a professional shipper for packing/shipment I will have to Drive out to pick it up! This certainly will be a last resort, but I WILL do it if I have to! I've e-mailed a couple of fellows who might be able to pick-up my 500. If you would be willing/able to do this for me please let me know! The transmitter is located in Queens New York. I will pay expenses!

As a possible incentive to help me out take a look at a partial list of other items available at this Estate sale. Unfortunately the fellow cannot ship the items.

As my last resort I will pick it up, If I do this I would be happy to pickup and ship any of the other items. Everything is said to be unused since 1963, the items were kept in a large DRY room of the house, the owner was a physicist and said to be meticulous in the care of these items. I realize it is hard to make an offering on anything site-unseen but if you have interest on any of these items please let me know ASAP! What I plan on doing if I drive out to get the 500 is take a quick look at everything, ship items out that anyone wants, and be on my way!

Antenna matchers: No idea on these??

Straight keys: these are at least 1963 vintage, I know nothing about keys, if you can make a generic offer on a per piece basis please do so IE: \$20.00 each, An unknown number exist here, at least 5.

Electro voice 664 mike: As new. offers?

Vibroplex keyer, At least 1963 vintage.

Multi-match 500

Antenna relays, MANY

Johnson matchstick

Johnson 6n2 with VFO and convertor

Johnson Signal sentry

Elmac AF-67

Multi phase Frequency analyzer

Hammarlund HQ-160

Hammarlund HC-10 SSB adapter

MANY Callbooks

Many ARRL Handbooks

Many Original Amateur related Catalogs Allied, ETC.

NIB Tubes, At least 3 4-400's, 866's, Said to be a very large box full

Fellows, I know the above is a little vague, However one way or another someone will be going here to pick my 500 up, if you have any interest in anything decide what you would pay for Pristine examples of the above, make an offer, I will forward offer to Executor of Estate, if offer is accepted Someone will visually inspect item and call for final ok on the purchasers end.

Couple of needed comments: the above will most likely only work out if either I go myself or a very willing local will help out. Make some generic offers on the small pieces, Everything is 1963 or before vintage, the old callbooks, catalogs, and handbooks of this vintage must have an average value, if your interested make an average offer on a per piece basis.

On my final decision to drive out I would need any purchasers cash on hand for the final trip, including estimated shipping/packaging costs, I won't have a lot of room in my car to haul the purchases back to Wisconsin so they would have to be shipped from NY. I would not have time to package items so professional packaging would be needed.

Please if you live in the Queens area and could haul the 500 to a ups center, or whatever to be packaged and shipped let me know ASAP. Any comments as to making this work out will be gladly considered!

73, Rob

PS: Please include your phone number for correspondence.

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997

From: Jack Harper <jharper@bs2000.com>
Subject: Question: Alignment Procedures etc
Message-ID: <199702031709.KAA18964@lynx.csn.net>

Well I have finally(!) reached the point where I am aligning my HQ-180 receiver -- I have found, over the past month of 'spare' time, various component problems including several bad resistors, capacitors, cold solder joints, and even an unsoldered wire (on the cathode of the AVC tube) -- Good Grief! However, the old gal seems to work much better now and an intermittent problem (among others) seems to be history.

However, the RF alignment is clearly off -- 7.0 Mhz is actually found a ways further down the dial. After completing the IF alignment which seemed to go well -- I cannot get two of the bands to be correct at their edges. The instructions, for each band, say to inject a signal of known frequency (correct best I can tell according to my scope); tweak a coil/capacitor to get the low edge of the band to read correctly; inject a signal at the band's high end and then tweak another coil/capacitor until the high-end of the band reads correctly on the dial. You are supposed to repeat this process until you see no change (BTW -- Ever hear the one about the computer programmer that starved to death in the shower? He read the shampoo instructions: 'Wash, Rinse, Repeat').

All of this makes sense -- but, on the band that includes 40m (4.0 - 7.85MHz I think), the coil/capacitor to be tweaked to set the high end of the band 'runs out' before the 7.85MHz is reached -- i.e., I can't seem to bring the edge of the band down to the marked 7.85. The coil/capacitor runs out of turns in that direction. I turn it the other way, and the injected signal wanders up the marked dial further into the ozone.

Question #1: Any ideas how to coerce the injected 7.85MHz to wander 'down' the dial to the marked 7.85? It has occurred to me to inject 7.0MHz and 7.3MHz or so to at least get the receiver to correctly track/indicate the 40M ham band -- but I dislike this idea and would very much like to make the thing correctly work as best as possible.

Question #2: I notice that on the highest band (15. something MHz (I think) - 30.0 MHz), that the low edge signal is found nicely but I see two peaks close to the indicated 30.0 MHz (separated by quite a bit) and am not really sure which one to set as the band edge (both are reachable before running out of turns) -- is there some sort of mixing/'birdies' going on with my injected 30.0MHz signal? I am keeping the monitored IF voltage at about -5vdc as per the instructions -- so I am, I think, not overloading something into non-linearity with my injected signal -- I think... There is a difference in signal strength with one being noticeably stronger than the other.

Question #3: What is a good way to unstick a 40-year old stuck slug in a tunable coupling transformer? I remember that there was an extended thread

on this -- and broken slugs/transformers -- some time ago but forget what was said (Thank God that I have not yet broken a slug). I hosed the slugs down with WD-40 several days ago which loosened almost all of them -- PLEASE don't someone inform me that WD-40 'eats transformers' 'grossly changes reactance etc' etc etc (Please, oh please...).

BTW -- I am still amazed at the number of gross errors in the Hammarlund documentation -- FWIW, one of the transformers is mislabeled in the chassis photo -- which threw me for awhile (apparently, Hammarlund thought that if you were going to try to align their receivers, you should have enough sense to figure out such details -- a somewhat dubious assertion in my case...).

All comments and advice greatly appreciated -- I almost have this guy back to tip-top shape -- it's been fun -- and is the first time in my life that I have managed to actually repair problems in a receiver -- undoubtedly due to the wonderful resources available in the BA List.

Regards to all

Jack, KC0LR (Friend to all things Hammarlund)

Jack Harper
e-mail: jharper@bs2000.com
voice: 303-277-1892 fax: 303-277-1785
Bank Systems 2000, Inc.
350 Indiana Street, Suite 800
Golden, Colorado 80401 USA

"21st Century Financial Applications"
Optical Cards for Bank, EBT, and Medical Applications
Visit our Web Page: <http://www.bs2000.com/talos> (Last Update: 960926)

1024-bit PGP crypto key with ID: 8FB07075 created 960728
Fingerprint: 75 DA 06 35 F8 3D AC EC 3A F2 7C 59 A1 11 A5 74
Key available from Public Key Servers and above Web Page

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: "Mark J. Blair" <mblair@gruumsh.irv.ca.us>
Subject: Re: Radioactive BA's
Message-ID: <199702030721.XAA02471@gruumsh.irv.ca.us>

bdhall@ghg.net wrote:

> Hey folks, with all the hootin' and hollerin' about radioactive BA's
> lately, I decided to fulfil one of my childhood dreams: I got myself a
> geiger counter.

I, too just got a Geiger counter. I know that the prevailing wisdom is that my radios should be perfectly safe as long as I fight back that overwhelming urge to crack open the meters with a hammer and lick the broken glass and radioactive paint, but I was curious. And the counter was green. I have a weakness for green, electronic things.

My counter is a PDR-63. It's mostly solid-state, but I think the GM tubes qualify it for BA status. Yeah, that's it! I haven't had it calibrated, so I don't know how accurate the readings are.

Just walking around, I also get a click every few seconds. With the detector pressed flush against the faces of the meters on my R-392, RT-68, and C-435 control boxes, I get about 0.5 mR/hour. This barely swings the needle on the lowest range, so they're undetectable from a few inches away. It seems to be mostly gamma, because the reading doesn't seem to change much whether the metal lid on the probe is open or closed. Nothing else in my apartment swings the needle, including the glow-in-the-dark paint on the knobs of some of my radios. This meter only detects gamma and beta radiation, so for all I know my green anchors could be cooking me with alpha particles. I'll avoid licking them. Keeping my tongue planted firmly in my cheek should help. Hmm, that RT-70 looks pretty tasty... :-)

--

Mark J. Blair KE6MYK
e-mail: mblair@gruumsh.irv.ca.us

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: "William C. Robbins" <billrobb@net-link.net>
Subject: SB-303 Problem
Message-ID: <199702040113.UAA04667@serv01.net-link.net>

The Heath SB-303 manual calls for using the receiver in a stand-alone mode by attaching the "LMO Load" plug to the LMO jack. Does anyone know what it does and how I can make one??

Thanks

Bill

WA8CDU Heathkit Collector

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: William Donzelli <william@ans.net>
Subject: SCR-133?

Message-ID: <199702031535.AA29683@interlock.ans.net>

What is an SCR-133?

William Donzelli
william@ans.net

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: eb5agv@ctv.es
Subject: SP-600-JX: thanks!
Message-ID: <1.5.4.16.19970203070403.47df40e0@192.168.0.1>

Hi BA keepers!

Thanks a lot to all who answered my message about the SP-600-JX. As a resume, \$180 appears to be a very good price for the receiver with the SSB converter, although the receiver is not in good cosmetic state, so I'll take it and let you know, when finally get it here, which is the real state. I talked yesterday with the seller and told me that main problem is a lot of holes in the front panel, so my next question would be: how can I fill these ones?. I remember reading some about that some time ago in the list, but I have not stored it (sorry!).

Well, thanks again. This list always surprises (positively!) me.

Best regards.

JOSE

73 JOSE V. GAVILA (EB5AGV / EC5AAU)
46910 Benetusser - Valencia
SPAIN

QTH locator: IM99TK

*** PLEASE, VISIT MY HOME PAGE AT : ***
http : [//www.geocities.com/SiliconValley/6992](http://www.geocities.com/SiliconValley/6992)
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: "Richard L. Duell" <rduell@iac.net>
Subject: Stuff for Sale
Message-ID: <2.2.32.19970203012031.00849484@iac.net>

The Mansfield Ohio hamfest is next Sunday and the following stuff is going with me unless someone here wants it. Got to make room for the stuff I will undoubtedly buy there.

BC-221-C, Bendix - Order #483-NY-41 - Serial 515. In very good shape. The cabinet has a few bare spots where the crackle has flaked off. Front panel is in very good shape. Has an internal AC supply. Had it on for two days recently and it's very stable. The only mod is a relief hole for the AC cord. Has spare tubes in the front spares compartment. Xerox copy of the TM manual pages for this unit. \$65 plus shipping.

Here's a rare one. A General Radio 720-A Heterodyne Frequency Meter. It covers 10 MC to 3000 MC. Quote from the Operating Instructions. "It contains a calibrated oscillator, a detector, and an audio amplifier." Looks good inside and out but I haven't put a power supply to it to check it out. With original operating instructions - \$60 plus shipping.

The Telegraph Boy by Horatio Alger. It's been in someone's attic for many years. It's been on the shelf with some old keys in my shack for the last two years. I found a nicer copy so I'm selling this one. It's all there and together, but looks its age (looks right at home with an old Bunnell key.) \$15 plus shipping.

First "I'll take it" gets them.

73, Rich - W5VDU

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: anders@autopsy.corp.sgi.com (Greg Anders)
Subject: Swann 500CX Tuneup Question
Message-ID: <9702030854.ZM16619@autopsy.corp.sgi.com>

I picked up a very clean Swann 500CX over the weekend. Since I don't have a manual yet I am a bit mistified at the proper tuneup procedure for the finals which are 6LQ6s. Aside from the obvious which is that one doesn't want to spend more than a few seconds keying sweep tubes during tuneup, I noticed several apparent design differences on this rig.

1. There is a small knob to the left of the VFO market "output level". I surmise this might be a "drive level" control but I'm not sure as there is also a carrier control.

2. There are two final loading controls. The coarse load is a multi-position switch which selects fixed capacitance and the fine load is a variable cap with a more limited range.

I wonder if someone on the list has experience with this rig and can advise me where to set the coarse load to begin the tuneup process and what gives with the "level control" vs. the carrier control... I plan to get a manual but that will take about a week and I was hoping to check out the transmit section.... BTW, this is my first Swan and I'm very impressed with the receiver. The SSB audio is very clean but not harsh and the sensitivity appears to be the equal of my Drake TR4 and SB102 in an A/B comparison....

Any advice would be greatly appreciated...

THanks,

--

Greg Anders

"One doesn't discover new lands without consenting to lose sight of the shore for a very long time."

Andre Gide
French Novelist

anders@autopsy.corp.sgi.com
KG6YV

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: arc5@ix.netcom.com (David Stinson)
Subject: Re: TCS Transmitter Mods
Message-ID: <199702031309.FAA02279@dfw-ix5.ix.netcom.com>

I haven't seen the article, but I don't know why it isn't a great "blue-collar" transmitter as-is. Mine are stable, reliable, easy to use and simple to work on. Is the article about whacking on the output tuning network? Lots of hams in the 50-60s did that to mil rigs because they didn't know about series tuning the output.
73 DE Dave AB5S

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Ho4bart@aol.com
Subject: Re: TCS Transmitter Mods
Message-ID: <970203181830_275735438@emout12.mail.aol.com>

In a message dated 97-02-03 08:13:29 EST, arc5@ix.netcom.com (David Stinson) writes:

<< I haven't seen the article, but I don't know why it isn't a great "blue-collar" transmitter as-is. Mine >>

that's right. a lot of these 'conversions' render your equipment into a less desirable bastardized version. there's really no 'need' to push the last watt out, remove the rollercoil to install a pi-net, etc. if a person really 'needs' a more modern rig, they're already out there to buy. one change i did do, when i owned the tcs: i changed to cathode keying. i think i must have used the mic jack, cuz i didn't drill any extra hole. i did this cuz 1) the relays clacked really loud when keyed 2) i was told the relays were modulating the oscillator because they slapped so vigorously. i wonder if anyone would comment on using the TCS xmtr on cw with the original breakin relay keying. hue miller

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: arc5@ix.netcom.com (David Stinson)
Subject: Re: TCS Transmitter Mods
Message-ID: <199702040251.UAA29589@dfw-ix8.ix.netcom.com>

You wrote:

>...i wonder if anyone
>would comment on using the TCS xmtr on cw
>with the original breakin relay keying.
I've used my complete TCS-12 and TCS-13

stations in this original configuration
with no "modulating the oscillator."
Am I just living right or has someone else
had similar results?

73 Dave AB5S

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Jeffrey Herman <jeffreyh@hawaii.edu>
Subject: Teletype Corp. object FS
Message-ID: <Pine.GS0.3.93.970202195830.23054B-100000@uhunix3>

I've got a High Speed Tape Punch Set (BRPE) made by the Teletype Corp.
that I'll put out for bid:
TELETYPE CODE BRPEB6
TELETYPE SERIAL # 7890 (on frame)
TELETYPE SERIAL # 265941 (on motor)
MOTOR UNIT 28A
On the interior of the cover: BRPEC 200BU 344670
On the exterior of the cover: PROPERTY OF "AEC" CONTRACT AT (04-3)-511

Technical Manual Bulletin 215B is included.

Visual condition: Really nice.
Working condition: Unknown.

Jeff KH2PZ

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Morris Odell <morriso@vifp.monash.edu.au>
Subject: The Stan treatment (long)
Message-ID: <32F67428.5ABB@vifp.monash.edu.au>

Hi all,

Yesterday I decided to give one of my old 'scopes the Stan Griffiths
washing treatment as described in his book. The patient was a Tek 502
which is a low frequency double beam scope very useful for audio work. I
had the 'scope for years and it served me well before I managed to find
something better and I wanted to clean it up and "sort it out" before
lending to a friend. Cosmetically it was dirty and dusty but complete
with only a few minor dents and scratches. Electrically it seemed to
work although the trace flickered a bit and it bloomed unpredictably and

intermittently. Internally it was very dirty and dusty and the fan was stiff in its bearings. The selenium low voltage rectifier had been replaced with silicon diodes in what looked like a Tek official modification.

I removed all the tubes, the fan and the CRT and then lugged it outside on "theporch" to give it the treatment. I scrubbed it down with a dilute detergent solution paying particular attention to the knobs and the rather grimy high voltage section inside. Lots of dirt came away, including the horrible red marker paint label that someone had scrawled onto the blue cover (what a bonus!). Finally I washed it down with a hose, trying to avoid the power transformer as much as possible. It was a very hot day here yesterday, too hot for anything else but cooking an oscilloscope. I left it outside in the 35 degree Australian summer for 5 hours. While it was drying I washed the CRT, carefully avoiding getting the base wet, and re-lubed the fan.

Finally it was time to put it all together. It was nearly too hot to touch when I brought it back inside, but it looked terrific!

I reassembled the 'scope, putting all the tubes back in their original positions and squirting some CRC contact cleaner into the switches. Then came the moment of truth - switching it on. I connected voltmeters to the 3 supplies in it, set the controls for a basic display, and flicked the switch.

The fan and graticule lights came on at once. The 502 doesn't have a time delay relay but the 20 seconds or so till the rectifiers heat up can be a VERY long time. As the voltage reference tube lit up and voltages climbed, a green glow began to develop on the screen and then...HORRORS!!! The sound you never want to hear - snap crackle and pop from the high voltage compartment and nary a Rice Bubble in sight!

A panic switch off and careful inspection - no smoke or carbon thankfully. What's going on? Could it be that Aussie sunshine was inadequate? I disconnected the 3 HV leads from the rectifier diodes and tried again - same result. Floating the transformer in mid air on its leads - same result. Removing the oscillator tube - silence, confirming the transformer as the source of the sizzle.

Nothing for it - I had to work on the transformer. I removed the transformer, carefully noting the 9 lead connections to it and inspected it carefully - looked fine. I smeared the exposed wires with silicone grease and set the whole thing to cook next to a 60 watt light bulb for an hour. I let it cool and reassembled it.

This time the 20 seconds was even longer but mercifully ended in silence and a couple of green lines on the screen! I checked the power supplies

and found the 100 volt supply was high - replacing a 6AN8 cured that. I set up the tube alignment and reassembled the graticule and bezel and there it was - a most beautiful oscilloscope back in the land of the living.

Before adjusting what calibration points I could, I took the opportunity to replace the HV rectifiers with BY176 diodes. These have a rating of 0.025 amps at 18 KV PIV and are available for \$9 here. They are about the size of a 2 watt resistor and fit perfectly in place of the 5642's allowing removal of the filament wiring loops and a much less cluttered layout. The load on the HV supply is reduced which helps eliminate the blooming problem. Several components in the oscillator section were off tolerance and were replaced including the B+ decoupling resistor to the oscillator which had gone high (this was probably the main reason for the blooming display).

The end product is clean 'scope which works very well. No blooming, a nice bright trace with stable intensity and display. Not quite looking like new, but as close as possible. I'm very pleased with the result. Lessons learnt: Next time I'll remove the HV transformer first, although it's a fiddly job.

73

Morris

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: pmills@A.crl.com (Phil Mills)
Subject: Re: The Stan treatment (long)
Message-ID: <199702040025.AA17143@A.crl.com>

Hello Morris....you missed the point in Stan's book where he talks about the "de-ionized" water you are supposed to use in washing down the scope so you don't have problems with transformers....

anyway, I'm glad it worked out for you

good luck & 73,
Phil
.

>Hi all,

>

>Yesterday I decided to give one of my old 'scopes the Stan Griffiths
>washing treatment as described in his book.

Phil Mills, AB5TH ***** *****
pmills@a.crl.com
281-992-5762 days
Friendswood, TX (south of Houston)

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: Terry Dobler KJ7F <kj7f@micron.net>
Subject: TNX: Need old callsign looked up
Message-ID: <2.2.16.19970202203540.2d37de1e@pophost.micron.net>

Gang,

Thanks for the quick responses on the callsign lookup. Turns out that it is the same person listed on the current UALR Callsign lookup site, just a different address in the Seattle area. Date of birth is listed as 1912 so he may still be around.

Terry KJ7F

kj7f@micron.net (Boise, Idaho) <http://netnow.micron.net/~kj7f>

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: n5off@w5ddl.aara.org
Subject: Toshiba R-392 Copy?
Message-ID: <571831@w5ddl.aara.org>

I have a copy of an article detailing a HF receiver that looks just like a R-392 repackaged for marine use.

The article appears in a 1958 issue of "Toshiba Review" and is written by S. Shinagawa and T. Monoi. The title is The High Frequency Communications Receiver Model ZS-1447A. Communications Equipment Engineering Dept, Tokyo Shibaura Electric Co.

The photos show the innards, and they are a near perfect knock off of the 392. The cabinet is a square box with flanges for compact rack mounting. Most tubes are 26V.

It looks like they actually made these as opposed to repackaging 392's as there are subtle differences in the component shapes as compared to the 392.

Does anyone know the story on this odd bird?

73 de tom

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997
From: djhutch@concentric.net
Subject: VHF FM BA's
Message-ID: <32F5297A.707F@concentric.net>

Does anyone have some suggestions on VHF FM BA transmitters? I know about the Clegg 22er, which has tubes and transmits FM on two meters, but are there any others?

Thank you,

Dave K9HT

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997
From: gc@cen.com (Gary Chatters)
Subject: Re: VHF FM BA's
Message-ID: <9702031508.AA04492@cen.com>

>
>Does anyone have some suggestions on VHF FM BA transmitters? I know
>about the Clegg 22er, which has tubes and transmits FM on two meters,
>but are there any others?
>

I am not familiar with the Clegg 22'er, but back in the '60's when I first got on VHF FM everyone used rigs converted from commercial land mobile radio. These were mostly Motorola and GE with a few others such as Link or Federal Farnsworth.

The older mobiles were built with separate cases for the transmitter and receiver. The tubes were mostly loctals with a few miniatures in the receiver and 807 finals in the transmitter. The newer units used miniature tubes and were built with the transmitter, receiver and power supplies in one case.

The older units were wide-band FM,+- 15 kHz. You would have to be careful to keep the modulation down to +- 5 kHz for use on today's bands unless you found a quiet channel somewhere just for wide-band.

There is almost no market for these units, but I have seen a few of them show up at hamfests over the past couple of years. I kind of regret passing up a nice clean looking low band Motorola Twin-V for \$15, but I know it would just sit in the project queue.

If you just want the transmitter, you can just take that part out.
Even in the single case units the transmitter and receiver were usually
on separate chassis. What are you using for a receiver?

73,

Gary
WA9ZZZ

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: "Freeberg, Scott (STP)" <q01870@stp03.guidant.com>
Subject: Wanted: Dual Section 365 mmf Variable C
Message-ID: <199702032251.QAA05417@uro.theporch.com>

Wanted: dual section 365 mmf variable capacitor. It will be used in a
receiver project for a three tube superhet 40 and 80 meter receiver
(April 1966 QST, "Mate for the Mighty Midget", no its not the april fool
article). I have been collecting the parts for over 20 years now and
thought I already had one of these. Must be mistaken or lost it. Can
you help with my tube receiver project? Thanks.

73, Scott WA9WFA St. Paul, Minnesota
scott.freeberg@guidant.com

From boatanchors@theporch.com Mon Feb 3 21:27:41 1997
From: Mikhael Brown <mikhael@hpcmmp13.sj.hp.com>
Subject: WTB Weston 664 Manual
Message-ID: <199702032312.AA094971526@hpcmmp13.sj.hp.com>

Just got a Weston Capacity Meter, model 664.

Need a manual and power connector.

Will pay reasonable price for original or copy of the manual
for this tester and a power connector. The power connector looks
like a small round female outlet connector.

Please e-mail me if you have any of the above.

Mike

N6WIG

--

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or government should try to take credit for it!

mikhael@hpcmmp13.sj.hp.com

From boatanchors@theporch.com Mon Feb 3 00:49:55 1997

From: Paul Thekan <Paul.Thekan@eimac.cpii.com>

Subject: WTB..TBM modulator and manual

Message-ID: <2.2.16.19970202160759.296f9dac@eitel.eimac.cpii.com>

Hello all

I am asking the impossible , I know but would anyone out there know where a modulator for a TBM might be lurking. The Navy no. for it is CAY 50065 or CAY 50066. Would also like to find a manual. Any help is appreciated. I think I might as well be asking for green cheese from the moon...hi

Thanks

Paul N6FEG

Paul Thekan - Speaking for Himself

Paul.Thekan@eimac.cpii.com

From boatanchors@theporch.com Mon Feb 3 12:10:21 1997

From: TPHAAK@ccmail.monsanto.com

Subject: WTB: Command Set Parts

Message-ID: <00304000024655170000002*@MHS>

Anchorites,

My military rack is coming along quite nicely. I need several more items to finish out what I started. First a run-down on what it is.

I have a steel 6 foot rack that is 24 inches deep and 32 inches wide that holds from top to bottom a ART-13 transmitter, ARR-15A receiver, the SCR-274-N series triple receiver rack and double transmitter rack(3.0-4.0mc & 7.0-9.1mc) with BC-456 modulator/dynamotor heads and antenna switch, a double receiver rack with a BC-946(520-1500kc) and R-25(1.5-3.0mc) receivers and a single ARC-5 T-18 transmitter with MD-7. Finally at the bottom there is the SCR-522 with head and PE-94C dynamotor. It all works! The ART-13 makes some noise but I am really suprised how quiet the rest of the equipment is. What's neat is the autotune on the ART-13 and ARR-15A.

First, I need a antenna swith/RF Meter BC-442-A with mount and vaccuum cap and any 5-pin connectors.

Second, two each BC-451-A transmitter control boxes and their J55 18-pin connectors.

Third, two each J59 12-pin connectors for the FT-226-A transmitter rack.

Fourth, any connectors for the MD-7 modulator.

Any connectors for the SCR-522 and PE-94 dynamotor.

I used the medium sized Molex sockets to mate with pins on the command set racks in places where I did not have connectors. I used heat shrink tubing over the sockets and used wire labels and then laced the cables neatly. They fit snug and look as good as you can get when you don't have the correct connector.

More on the second rack and what it holds later. Any help on the above parts would be greatly appreciated!!

Tim WA0TSY
tphaak@monsanto.com